



PATENT  
ATTORNEY DOCKET NO.: INVIT1300-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chesnut et al. Art Unit: 1645  
Application No.: 09/935,280 Examiner: Unassigned  
Filed: August 21, 2001  
Title: METHODS AND REAGENTS FOR MOLECULAR CLONING

ATTN: BOX NON-FEE AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

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TRANSMITTAL SHEET

Transmitted herewith for the above-identified application please find: TECH CENTER 1600/2900

1. Information Disclosure Statement (2 pages);
2. Form PTO-1449 (2 pages);
3. International Search Report (8 pages); and
4. Two (2) Foreign Patents;
5. Seven (7) Other Documents; and
6. Return Receipt Postcard.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, **October 30, 2002**, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

**Cecilia Tobin**

(Name of Person Mailing Paper)

*Cecilia Tobin* **October 30, 2002**  
(Signature) (Date)

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No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed prior to the receipt of a first office action on the merits of the above-captioned application. However, if any fee is required, authorization is hereby given to charge any other fees associated with the filings submitted herewith, or credit any overpayment to Deposit Account No. 50-1355. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: October 30, 2002



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**USPTO CUSTOMER NUMBER 28213**  
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**INFORMATION DISCLOSURE STATEMENT**

**TECH CENTER 1600/2900**

Sir:

In accordance with 37. C.F.R. § 1.97, enclosed are references relating to the above-identified application. These references were cited in the International Search Report of the PCT application corresponding to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and copies are enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

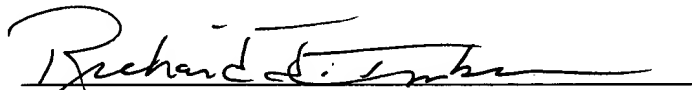
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<b>Cecilia Tobin</b> (Name of Person Mailing Paper)	
<i>Cecilia Tobin</i> (Signature)	<b>October 30, 2002</b> (Date)

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<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.:</b> INVIT1300-1	<b>Application No.:</b> 09/935,280
	<b>Applicants:</b> Chesnut et al.	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Filing Date:</b> August 21, 2001	<b>Group Art Unit:</b> 1645

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	NONE					

### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)
	WO 98/56943	12/17/98	PCT			
	WO 96/19497	06/27/96	PCT			

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

	Cheng and Shuman, "DNA strand transfer catalyzed by vaccinia topoisomerase: ligation of DNAs containing a 3' mononucleotide overhang" <i>Nucleic Acids Research</i> , <b>28 (9)</b> :1893-1898 (2000)
	Cheng and Shuman, "Recombinogenic Flap Ligation Pathway for Intrinsic Repair of Topoisomerase IB-Induced Double-Strand Breaks," <i>Molecular and Cellular Biology</i> , <b>20 (21)</b> :8059-8068 (2000)
	Cheng and Shuman, "Site-Specific DNA Transesterification by Vaccinia Topoisomerase: Role of Specific Phosphates and Nucleosides" <i>Biochemistry</i> , <b>38 (50)</b> :16599-16612 (1999)
	Shuman, Stewart, "DNA Strand Transfer Reactions Catalyzed by Vaccinia Topoisomerase I, <i>The Journal of Biological Chemistry</i> , <b>267 (12)</b> :8620-8627 (1992)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office	<b>Docket No.:</b> INVIT1300-1	<b>Application No.:</b> 09/935,280
	<b>Applicants:</b> Chesnut et al.	
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	<b>Filing Date:</b> August 21, 2001	<b>Group Art Unit:</b> 1645

		Shuman, Stewart, "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific," <i>Proc. Natl. Acad. Sci. USA</i> , <b>88</b> :10104-10108 (1991)
		Shuman, Stewart, "Two Classes of DNA End-joining Reactions Catalyzed by Vaccinia Topoisomerase I, <i>The Journal of Biological Chemistry</i> , <b>267 (24)</b> :16755-16758 (1992)
		Shuman, Stewart, "Vaccinia virus DNA topoisomerase: a model eukaryotic type IB enzyme," <i>Biochimica et Biophysica Acta</i> 1400 pp:321-337 (1998)

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